

Table S1. List of tested mustard cultivars as biofumigants with antifungal activity against *B. cinerea*.

Mustard Cultivar	Mycelial Inhibition Ratio	Standard Deviation
Dilong-1	90.40%	2.80%
Jing-6	86.94%	2.76%
Huangyou-7	66.55%	1.31%
Wuxuan	64.37%	2.86%
Mianyang	63.16%	1.82%
Tiancui-1	59.31%	0.98%
Gaoyou-9	55.91%	4.72%
Chaozhou-11	53.48%	1.50%
15C166-1	50.60%	1.03%
Huang-3B1	50.10%	1.37%
Sichuan	47.68%	1.63%
Banye	47.20%	3.22%
Tiancui-321	46.70%	2.84%
Caijin	45.26%	2.18%
Zhenmei	45.26%	2.18%
Erdaomei	44.75%	2.05%
Xiang	44.75%	2.05%
Huaying	42.86%	2.93%
Shiman	42.83%	1.58%
Bianha-361	41.37%	0.94%
Juanxin	40.41%	1.36%
GE318	39.91%	1.59%
R005	37.51%	1.67%
Shoujie	37.49%	1.67%
Big-1	37.01%	2.10%
Mianyang-2	36.03%	1.62%
Jinyou-12	34.88%	1.80%
Changfeng	34.59%	2.72%
Gansu	34.11%	1.59%
Xizang-311	33.63%	0.94%
Juan-2	33.13%	1.61%
GE216	32.65%	2.36%
15C165-1	32.65%	1.36%
GE320	32.16%	2.53%
Sichuan-2	32.16%	2.53%
Guangtou	31.68%	1.70%
Qingpielan	31.68%	1.70%
Xiaoyou	31.49%	2.11%
Denlong-3D1	31.20%	0.87%
Xizang-81	31.20%	1.61%
Shuijing	30.70%	1.46%
Xiangjie	29.26%	1.62%
Zijie	28.28%	1.68%
17C150	28.25%	3.34%
Wuwangnong	27.80%	1.05%
Zhong	27.39%	4.54%
Daye	27.32%	2.12%
Weiyuan	27.32%	0.89%
Fangzheng	26.33%	2.98%

Huang-1	25.86%	1.07%
15C167-1	25.86%	1.73%
Runshi	25.67%	3.06%
ercai	25.28%	3.57%
Wenjie	23.94%	0.87%
Nongwang	23.43%	1.79%
Jing-8	23.43%	1.79%
Shuidong	22.95%	1.55%
15C163-1	22.89%	8.05%
Chongjie	22.89%	8.16%
Tiancui-3	21.96%	3.15%
Lao-1	21.02%	1.38%
Guantou-1	20.99%	2.62%
Xizang-97	19.57%	0.95%
Neimeng	19.06%	3.27%
Huabian-351	18.89%	2.53%
Shennong	17.58%	4.26%
8L-435	15.16%	3.96%
Huang-2	15.00%	1.41%
Siji	14.74%	1.36%
Lao-2	14.71%	1.79%
Dahe	14.22%	2.44%
Gada	13.75%	0.99%
Hongye	13.75%	0.99%
Xinyou-9	13.26%	1.66%
Daping	13.24%	2.72%
Baihua	12.77%	2.64%
Xizang-183	12.29%	1.20%
Jingtai	11.80%	2.73%
Daxin	11.33%	1.41%
Baoxin	10.84%	1.82%
Qingtian	9.86%	2.75%
Mengbao	9.86%	1.96%
Guangtou-2	9.39%	0.90%
Guangtou-3	8.91%	0.79%
GE217	7.94%	1.04%
Kejia	6.45%	3.36%
Zhengxing	5.52%	1.43%
Cuinen	4.53%	3.47%
Ping	4.03%	3.31%
Lagen	3.56%	2.24%
